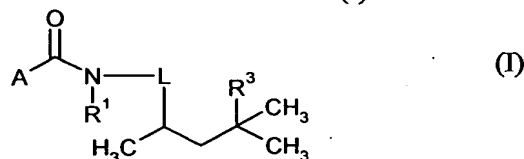
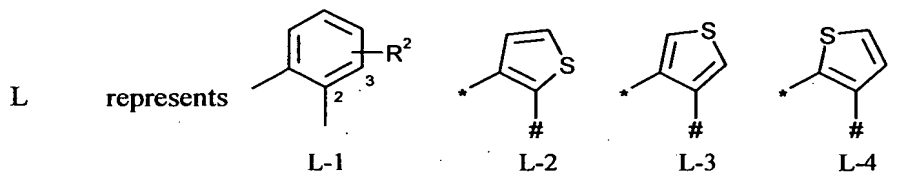


Patent Claims

1. Hexylcarboxanilides of the formula (I)



5 in which



where the bond marked with * is attached to the amide, whereas the bond marked with # is attached to the alkyl side chain,

10 R^1 represents hydrogen, C_1 - C_8 -alkyl, C_1 - C_6 -alkylsulphinyl, C_1 - C_6 -alkylsulphonyl, C_1 - C_4 -alkoxy- C_1 - C_4 -alkyl, C_3 - C_8 -cycloalkyl; C_1 - C_6 -haloalkyl, C_1 - C_4 -haloalkylthio, C_1 - C_4 -haloalkylsulphinyl, C_1 - C_4 -haloalkylsulphonyl, halo- C_1 - C_4 -alkoxy- C_1 - C_4 -alkyl, C_3 - C_8 -halocycloalkyl having in each case 1 to 9 fluorine, chlorine and/or bromine atoms; formyl, formyl- C_1 - C_3 -alkyl, (C_1 - C_3 -alkyl)carbonyl- C_1 - C_3 -alkyl, (C_1 - C_3 -alkoxy)carbonyl- C_1 - C_3 -alkyl; halo-(C_1 - C_3 -alkyl)carbonyl- C_1 - C_3 -alkyl, halo-(C_1 - C_3 -alkoxy)carbonyl- C_1 - C_3 -alkyl having in each case 1 to 13 fluorine, chlorine and/or bromine atoms;

15 (C_1 - C_8 -alkyl)carbonyl, (C_1 - C_8 -alkoxy)carbonyl, (C_1 - C_4 -alkoxy- C_1 - C_4 -alkyl)carbonyl, (C_3 - C_8 -cycloalkyl)carbonyl; (C_1 - C_6 -haloalkyl)carbonyl, (C_1 - C_6 -haloalkoxy)carbonyl, (halo- C_1 - C_4 -alkoxy- C_1 - C_4 -alkyl)carbonyl, (C_3 - C_8 -halocycloalkyl)carbonyl having in each case 1 to 9 fluorine, chlorine and/or bromine atoms; or $-C(=O)C(=O)R^4$, $-CONR^5R^6$ or $-CH_2NR^7R^8$,

20 R^2 represents hydrogen, fluorine, chlorine, methyl or trifluoromethyl,

R^3 represents halogen, C_1 - C_8 -alkyl or C_1 - C_8 -haloalkyl,

25 R^4 represents hydrogen, C_1 - C_8 -alkyl, C_1 - C_8 -alkoxy, C_1 - C_4 -alkoxy- C_1 - C_4 -alkyl, C_3 - C_8 -cycloalkyl; C_1 - C_6 -haloalkyl, C_1 - C_6 -haloalkoxy, halo- C_1 - C_4 -alkoxy- C_1 - C_4 -alkyl, C_3 - C_8 -halocycloalkyl having in each case 1 to 9 fluorine, chlorine and/or bromine atoms,

R^5 and R^6 independently of one another each represent hydrogen, C_1 - C_8 -alkyl, C_1 - C_4 -alkoxy- C_1 - C_4 -alkyl, C_3 - C_8 -cycloalkyl; C_1 - C_8 -haloalkyl, halo- C_1 - C_4 -alkoxy- C_1 - C_4 -alkyl, C_3 - C_8 -halocycloalkyl having in each case 1 to 9 fluorine, chlorine and/or bromine atoms,

30 R^5 and R^6 furthermore together with the nitrogen atom to which they are attached form a saturated heterocycle having 5 to 8 ring atoms which is optionally mono- or polysubstituted by identical or different substituents from the group consisting of

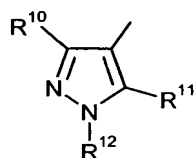
halogen and C₁-C₄-alkyl, where the heterocycle may contain 1 or 2 further non-adjacent heteroatoms from the group consisting of oxygen, sulphur and NR⁹,

R⁷ and R⁸ independently of one another represent hydrogen, C₁-C₈-alkyl, C₃-C₈-cycloalkyl; C₁-C₈-haloalkyl, C₃-C₈-halocycloalkyl having in each case 1 to 9 fluorine, chlorine and/or bromine atoms,

R⁷ and R⁸ furthermore together with the nitrogen atom to which they are attached form a saturated heterocycle having 5 to 8 ring atoms which is optionally mono- or polysubstituted by identical or different substituents from the group consisting of halogen and C₁-C₄-alkyl, where the heterocycle may contain 1 or 2 further non-adjacent heteroatoms from the group consisting of oxygen, sulphur and NR⁹,

R⁹ represents hydrogen or C₁-C₆-alkyl,

A represents the radical of the formula (A1)



(A1) in which

R¹⁰ represents hydrogen, hydroxyl, formyl, cyano, fluorine, chlorine, bromine, nitro, C₁-C₄-alkyl, C₁-C₄-alkoxy, C₁-C₄-alkylthio, C₃-C₆-cycloalkyl, C₁-C₄-haloalkyl, C₁-C₄-haloalkoxy or C₁-C₄-haloalkylthio having in each case 1 to 5 halogen atoms, aminocarbonyl or aminocarbonyl-C₁-C₄-alkyl,

R¹¹ represents hydrogen, chlorine, bromine, iodine, cyano, C₁-C₄-alkyl, C₁-C₄-alkoxy, C₁-C₄-alkylthio, C₁-C₄-haloalkyl or C₁-C₄-haloalkylthio having in each case 1 to 5 halogen atoms, and

R¹² represents hydrogen, C₁-C₄-alkyl, hydroxy-C₁-C₄-alkyl, C₂-C₆-alkenyl, C₃-C₆-cycloalkyl, C₁-C₄-alkylthio-C₁-C₄-alkyl, C₁-C₄-alkoxy-C₁-C₄-alkyl, C₁-C₄-haloalkyl, C₁-C₄-haloalkylthio-C₁-C₄-alkyl, C₁-C₄-haloalkoxy-C₁-C₄-alkyl having in each case 1 to 5 halogen atoms, or represents phenyl,

or

A represents the radical of the formula (A2)



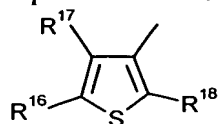
(A2) in which

R¹³ and R¹⁴ independently of one another represent hydrogen, halogen, C₁-C₄-alkyl or C₁-C₄-haloalkyl having in each case 1 to 5 halogen atoms and

R¹⁵ represents halogen, cyano or C₁-C₄-alkyl, or C₁-C₄-haloalkyl or C₁-C₄-haloalkoxy having in each case 1 to 5 halogen atoms,

or

A represents the radical of the formula (A3)



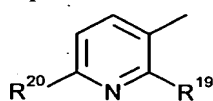
(A3) in which

R^{16} and R^{17} independently of one another represent hydrogen, halogen, C_1 - C_4 -alkyl or C_1 - C_4 -haloalkyl having 1 to 5 halogen atoms and

R^{18} represents hydrogen, C_1 - C_4 -alkyl or C_1 - C_4 -haloalkyl having up to 5 halogen atoms,

or

A represents the radical of the formula (A4)



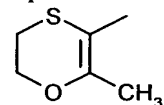
(A4) in which

R^{19} represents halogen, hydroxy, cyano, C_1 - C_4 -alkyl, C_1 - C_4 -alkoxy, C_1 - C_4 -alkylthio, C_1 - C_4 -haloalkyl, C_1 - C_4 -haloalkylthio or C_1 - C_4 -haloalkoxy having in each case 1 to 5 halogen atoms and

R^{20} represents hydrogen, halogen, cyano, C_1 - C_4 -alkyl, C_1 - C_4 -alkoxy, C_1 - C_4 -alkylthio, C_1 - C_4 -haloalkyl, C_1 - C_4 -haloalkoxy having in each case 1 to 5 halogen atoms, C_1 - C_4 -alkylsulphinyl or C_1 - C_4 -alkylsulphonyl,

or

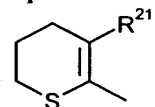
A represents the radical of the formula (A5)



(A5),

or

A represents the radical of the formula (A6)

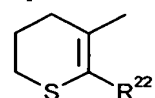


(A6) in which

R^{21} represents C_1 - C_4 -alkyl or C_1 - C_4 -haloalkyl having 1 to 5 halogen atoms,

or

A represents the radical of the formula (A7)

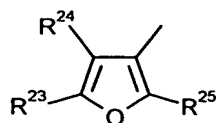


(A7) in which

R^{22} represents C_1 - C_4 -alkyl or C_1 - C_4 -haloalkyl having 1 to 5 halogen atoms,

or

A represents the radical of the formula (A8)



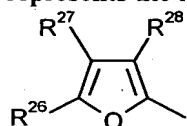
(A8) in which

R^{23} and R^{24} independently of one another represent hydrogen, halogen, amino, C_1 - C_4 -alkyl or C_1 - C_4 -haloalkyl having 1 to 5 halogen atoms and

R^{25} represents hydrogen, C_1 - C_4 -alkyl or C_1 - C_4 -haloalkyl having 1 to 5 halogen atoms,

or

A represents the radical of the formula (A9)



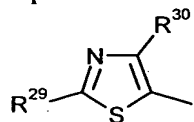
(A9) in which

R^{26} and R^{27} independently of one another represent hydrogen, halogen, amino, nitro, C_1 - C_4 -alkyl or C_1 - C_4 -haloalkyl having 1 to 5 halogen atoms and

R^{28} represents halogen, C_1 - C_4 -alkyl or C_1 - C_4 -haloalkyl having 1 to 5 halogen atoms,

or

A represents the radical of the formula (A10)



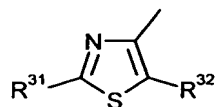
(A10) in which

R^{29} represents hydrogen, halogen, amino, C_1 - C_4 -alkylamino, di- $(C_1$ - C_4 -alkyl)-amino, cyano, C_1 - C_4 -alkyl or C_1 - C_4 -haloalkyl having 1 to 5 halogen atoms and

R^{30} represents halogen, hydroxyl, C_1 - C_4 -alkyl, C_1 - C_4 -alkoxy, C_3 - C_6 -cycloalkyl, C_1 - C_4 -haloalkyl or C_1 - C_4 -haloalkoxy having in each case 1 to 5 halogen atoms,

or

A represents the radical of the formula (A11)



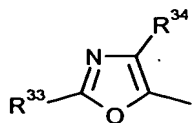
(A11) in which

R^{31} represents hydrogen, halogen, amino, C_1 - C_4 -alkylamino, di- $(C_1$ - C_4 -alkyl)-amino, cyano, C_1 - C_4 -alkyl or C_1 - C_4 -haloalkyl having 1 to 5 halogen atoms and

R^{32} represents halogen, C_1 - C_4 -alkyl or C_1 - C_4 -haloalkyl having 1 to 5 halogen atoms,

or

A represents the radical of the formula (A12)



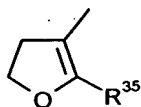
(A12) in which

 R^{33} represents hydrogen or C_1 - C_4 -alkyl and R^{34} represents halogen or C_1 - C_4 -alkyl,

or

5

A represents the radical of the formula (A13)

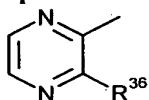


(A13) in which

 R^{35} represents C_1 - C_4 -alkyl or C_1 - C_4 -haloalkyl having 1 to 5 halogen atoms,

or

A represents the radical of the formula (A14)



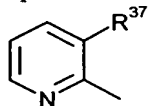
(A14) in which

10

 R^{36} represents hydrogen, halogen, C_1 - C_4 -alkyl or C_1 - C_4 -haloalkyl having 1 to 5 halogen atoms,

or

A represents the radical of the formula (A15)



(A15) in which

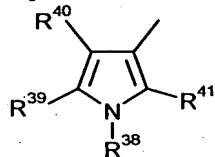
15

 R^{37} represents halogen, hydroxyl, C_1 - C_4 -alkyl, C_1 - C_4 -alkoxy, C_1 - C_4 -alkylthio, C_1 - C_4 -haloalkyl, C_1 - C_4 -haloalkylthio or C_1 - C_4 -haloalkoxy having in each case 1 to 5 halogen atoms,

or

20

A represents the radical of the formula (A16)



(A16) in which

 R^{38} represents hydrogen, cyano, C_1 - C_4 -alkyl, C_1 - C_4 -haloalkyl having 1 to 5 halogen atoms, C_1 - C_4 -alkoxy- C_1 - C_4 -alkyl, hydroxy- C_1 - C_4 -alkyl, C_1 - C_4 -alkylsulphonyl, di(C_1 - C_4 -alkyl)aminosulphonyl, C_1 - C_6 -alkylcarbonyl or in each case optionally substituted phenylsulphonyl or benzoyl,

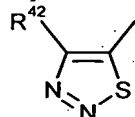
25

 R^{39} represents hydrogen, halogen, C_1 - C_4 -alkyl or C_1 - C_4 -haloalkyl having 1 to 5 halogen atoms, R^{40} represents hydrogen, halogen, cyano, C_1 - C_4 -alkyl or C_1 - C_4 -haloalkyl having 1 to 5 halogen atoms,

R^{41} represents hydrogen, halogen, C_1 - C_4 -alkyl or C_1 - C_4 -haloalkyl having 1 to 5 halogen atoms,

or

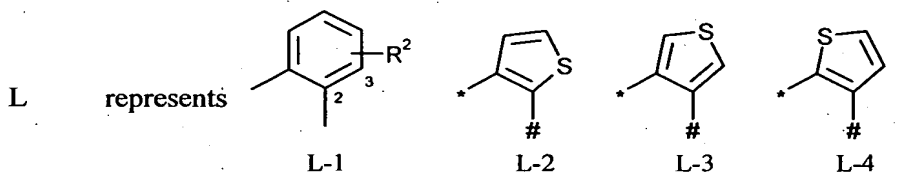
A represents the radical of the formula (A17)



(A17) in which

R^{42} represents C_1 - C_4 -alkyl.

2. Hexylcarboxanilides of the formula (I) according to Claim 1 in which



where the bond marked with * is attached to the amide, whereas the bond marked with # is attached to the alkyl side chain,

R^1 represents hydrogen, C_1 - C_6 -alkyl, C_1 - C_4 -alkylsulphinyl, C_1 - C_4 -alkylsulphonyl, C_1 - C_3 -alkoxy- C_1 - C_3 -alkyl, C_3 - C_6 -cycloalkyl; C_1 - C_4 -haloalkyl, C_1 - C_4 -haloalkylthio, C_1 - C_4 -haloalkylsulphinyl, C_1 - C_4 -haloalkylsulphonyl, halo- C_1 - C_3 -alkoxy- C_1 - C_3 -alkyl, C_3 - C_8 -halocycloalkyl having in each case 1 to 9 fluorine, chlorine and/or bromine atoms; formyl, formyl- C_1 - C_3 -alkyl, (C_1 - C_3 -alkyl)carbonyl- C_1 - C_3 -alkyl, (C_1 - C_3 -alkoxy)carbonyl- C_1 - C_3 -alkyl; halo-(C_1 - C_3 -alkyl)carbonyl- C_1 - C_3 -alkyl, halo-(C_1 - C_3 -alkoxy)carbonyl- C_1 - C_3 -alkyl having in each case 1 to 13 fluorine, chlorine and/or bromine atoms; (C_1 - C_6 -alkyl)carbonyl, (C_1 - C_4 -alkoxy)carbonyl, (C_1 - C_3 -alkoxy- C_1 - C_3 -alkyl)carbonyl, (C_3 - C_6 -cycloalkyl)carbonyl; (C_1 - C_4 -haloalkyl)carbonyl, (C_1 - C_4 -haloalkoxy)carbonyl, (halo- C_1 - C_3 -alkoxy- C_1 - C_3 -alkyl)carbonyl, (C_3 - C_6 -halocycloalkyl)carbonyl having in each case 1 to 9 fluorine, chlorine and/or bromine atoms; or $-C(=O)C(=O)R^4$, $-CONR^5R^6$ or $-CH_2NR^7R^8$,

R^2 represents hydrogen, fluorine, chlorine, methyl or trifluoromethyl,

R^3 represents fluorine, chlorine, bromine, iodine, C_1 - C_6 -alkyl, C_1 - C_6 -haloalkyl having in each case 1 to 13 fluorine, chlorine and/or bromine atoms,

R^4 represents hydrogen, C_1 - C_6 -alkyl, C_1 - C_4 -alkoxy, C_1 - C_3 -alkoxy- C_1 - C_3 -alkyl, C_3 - C_6 -cycloalkyl; C_1 - C_4 -haloalkyl, C_1 - C_4 -haloalkoxy, halo- C_1 - C_3 -alkoxy- C_1 - C_3 -alkyl, C_3 - C_6 -halocycloalkyl having in each case 1 to 9 fluorine, chlorine and/or bromine atoms,

R^5 and R^6 independently of one another each represent hydrogen, C_1 - C_6 -alkyl, C_1 - C_3 -alkoxy- C_1 - C_3 -alkyl, C_3 - C_6 -cycloalkyl; C_1 - C_4 -haloalkyl, halo- C_1 - C_3 -alkoxy- C_1 - C_3 -alkyl, C_3 - C_6 -halocycloalkyl having in each case having 1 to 9 fluorine, chlorine and/or bromine atoms,

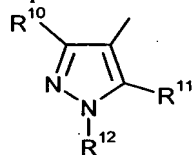
R^5 and R^6 furthermore together with the nitrogen atom to which they are attached form a saturated heterocycle having 5 or 6 ring atoms which is optionally mono- to tetrasubstituted by identical or different substituents from the group consisting of halogen and C_1 - C_4 -alkyl, where the heterocycle may contain 1 or 2 further non-adjacent heteroatoms from the group consisting of oxygen, sulphur and NR^9 ,

R^7 and R^8 independently of one another each represent hydrogen, C_1 - C_6 -alkyl, C_3 - C_6 -cycloalkyl; C_1 - C_4 -haloalkyl, C_3 - C_6 -halocycloalkyl having in each case 1 to 9 fluorine, chlorine and/or bromine atoms,

R^7 and R^8 furthermore together with the nitrogen atom to which they are attached form a saturated heterocycle having 5 or 6 ring atoms which is optionally mono- or polysubstituted by identical or different substituents from the group consisting of halogen and C_1 - C_4 -alkyl, where the heterocycle may contain 1 or 2 further non-adjacent heteroatoms from the group consisting of oxygen, sulphur and NR^9 ,

R^9 represents hydrogen or C_1 - C_4 -alkyl,

A represents the radical of the formula (A1)



(A1) in which

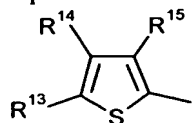
R^{10} represents hydrogen, hydroxyl, formyl, cyano, fluorine, chlorine, bromine, methyl, ethyl, isopropyl, methoxy, ethoxy, methylthio, ethylthio, cyclopropyl, C_1 - C_2 -haloalkyl, C_1 - C_2 -haloalkoxy having in each 1 to 5 fluorine, chlorine and/or bromine atoms, trifluoromethylthio, difluoromethylthio, aminocarbonyl, aminocarbonylmethyl or aminocarbonylethyl,

R^{11} represents hydrogen, chlorine, bromine, iodine, methyl, ethyl, methoxy, ethoxy, methylthio, ethylthio, C_1 - C_2 -haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms and

R^{12} represents hydrogen, methyl, ethyl, n-propyl, isopropyl, C_1 - C_2 -haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms, hydroxymethyl, hydroxyethyl, cyclopropyl, cyclopentyl, cyclohexyl or phenyl,

or

A represents the radical of the formula (A2)



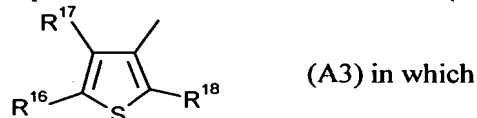
(A2) in which

R^{13} and R^{14} independently of one another represent hydrogen, fluorine, chlorine, bromine, methyl, ethyl or C_1 - C_2 -haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms and

R^{15} represents fluorine, chlorine, bromine, iodine, cyano, methyl, ethyl, C_1 - C_2 -haloalkyl or C_1 - C_2 -haloalkoxy having in each case 1 to 5 fluorine, chlorine and/or bromine atoms;

or

A represents the radical of the formula (A3)

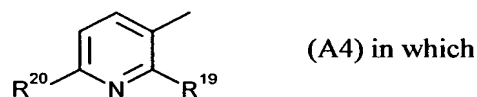


R^{16} and R^{17} independently of one another represent hydrogen, fluorine, chlorine, bromine, methyl, ethyl or C_1 - C_2 -haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms and

R^{18} represents hydrogen, methyl, ethyl or C_1 - C_2 -haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms,

or

A represents the radical of the formula (A4)

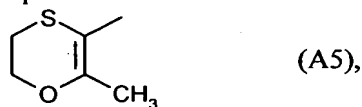


R^{19} represents fluorine, chlorine, bromine, iodine, hydroxyl, cyano, C_1 - C_4 -alkyl, methoxy, ethoxy, methylthio, ethylthio, difluoromethylthio, trifluoromethylthio, C_1 - C_2 -haloalkyl or C_1 - C_2 -haloalkoxy having in each case 1 to 5 fluorine, chlorine and/or bromine atoms and

R^{20} represents hydrogen, fluorine, chlorine, bromine, iodine, cyano, C_1 - C_4 -alkyl, methoxy, ethoxy, methylthio, ethylthio, C_1 - C_2 -haloalkyl or C_1 - C_2 -haloalkoxy having in each case 1 to 5 fluorine, chlorine and/or bromine atoms, C_1 - C_2 -alkylsulphinyl or C_1 - C_2 -alkylsulphonyl,

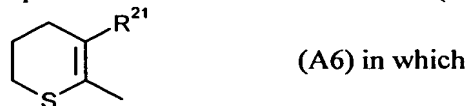
or

A represents the radical of the formula (A5)



or

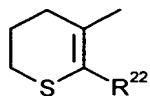
A represents the radical of the formula (A6)



R^{21} represents methyl, ethyl or C_1 - C_2 -haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms,

or

A represents the radical of the formula (A7)

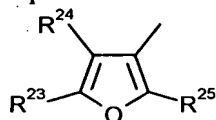


(A7) in which

R^{22} represents methyl, ethyl, trifluoromethyl, difluoromethyl, difluorochloromethyl or trichloromethyl,

or

A represents the radical of the formula (A8)



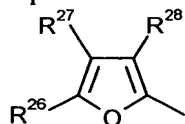
(A8) in which

R^{23} and R^{24} independently of one another represent hydrogen, fluorine, chlorine, bromine, amino, methyl, ethyl or C_1 - C_2 -haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms and

R^{25} represents hydrogen, methyl, ethyl or C_1 - C_2 -haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms,

or

A represents the radical of the formula (A9)



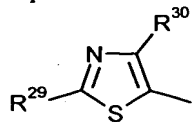
(A9) in which

R^{26} and R^{27} independently of one another represent hydrogen, fluorine, chlorine, bromine, amino, nitro, methyl, ethyl or C_1 - C_2 -haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms and

R^{28} represents fluorine, chlorine, bromine, methyl, ethyl or C_1 - C_2 -haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms,

or

A represents the radical of the formula (A10)



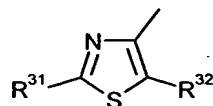
(A10) in which

R^{29} represents hydrogen, fluorine, chlorine, bromine, amino, C_1 - C_4 -alkylamino, di(C_1 - C_4 -alkyl)amino, cyano, methyl, ethyl or C_1 - C_2 -haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms and

R^{30} represents fluorine, chlorine, bromine, hydroxyl, methyl, ethyl, methoxy, ethoxy, cyclopropyl, C_1 - C_2 -haloalkyl or C_1 - C_2 -haloalkoxy having 1 to 5 fluorine, chlorine and/or bromine atoms,

or

5 A represents the radical of the formula (A11)



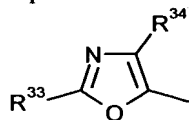
(A11) in which

R^{31} represents hydrogen, fluorine, chlorine, bromine, amino, C_1 - C_4 -alkylamino, di(C_1 - C_4 -alkyl)amino, cyano, methyl, ethyl or C_1 - C_2 -haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms and

10 R^{32} represents fluorine, chlorine, bromine, methyl, ethyl or C_1 - C_2 -haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms,

or

A represents the radical of the formula (A12)



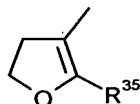
(A12) in which

15 R^{33} represents hydrogen, methyl or ethyl and

R^{34} represents fluorine, chlorine, bromine, methyl or ethyl,

or

A represents the radical of the formula (A13)

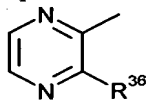


(A13) in which

20 R^{35} represents methyl, ethyl or C_1 - C_2 -haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms,

or

A represents the radical of the formula (A14)

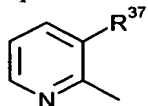


(A14) in which

25 R^{36} represents hydrogen, fluorine, chlorine, bromine, methyl, ethyl or C_1 - C_2 -haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms,

or

A represents the radical of the formula (A15)

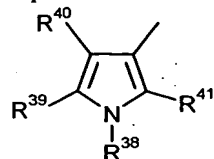


(A15) in which

R^{37} represents fluorine, chlorine, bromine, iodine, hydroxyl, C_1 - C_4 -alkyl, methoxy, ethoxy, methylthio, ethylthio, difluoromethylthio, trifluoromethylthio, C_1 - C_2 -haloalkyl or C_1 - C_2 -haloalkoxy having in each case 1 to 5 fluorine, chlorine and/or bromine atoms,

or

A represents the radical of the formula (A16)



(A16) in which

R^{38} represents hydrogen, methyl, ethyl, C_1 - C_2 -haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms, C_1 - C_2 -alkoxy- C_1 - C_2 -alkyl, hydroxymethyl, hydroxyethyl, methylsulphonyl or dimethylaminosulphonyl,

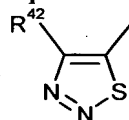
R^{39} represents hydrogen, fluorine, chlorine, bromine, methyl, ethyl or C_1 - C_2 -haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms,

R^{40} represents hydrogen, fluorine, chlorine, bromine, cyano, methyl, ethyl, isopropyl or C_1 - C_2 -haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms,

R^{41} represents hydrogen, fluorine, chlorine, bromine, methyl, ethyl or C_1 - C_2 -haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms,

or

A represents the radical of the formula (A17)



(A17) in which

R^{42} represents methyl, ethyl, n-propyl or isopropyl.

3. Hexylcarboxanilides of the formula (I) according to Claim 1 or 2 in which L represents L-1.

4. Hexylcarboxanilides of the formula (I) according to Claim 1 or 2 in which L represents L-2.

5. Hexylcarboxanilides of the formula (I) according to Claim 1 or 2 in which R^1 represents hydrogen, formyl or $-C(=O)C(=O)R^4$, where R^4 is as defined in Claim 1 or 2.

6. Hexylcarboxanilides of the formula (I) according to Claim 1 or 2 in which A represents A1.

7. Hexylcarboxanilides of the formula (I) according to Claim 1 or 2 in which R^3 represents halogen.

8. Hexylcarboxanilides of the formula (I) according to Claim 1 or 2 in which R^3 represents C_1 - C_8 -alkyl.

5 9. Hexylcarboxanilides of the formula (I) according to Claim 1 or 2 in which R^3 represents C_1 - C_8 -haloalkyl.

10. Process for preparing the compounds of the formula (I) according to Claim 1, characterized in that

a) carboxylic acid derivatives of the formula (II)

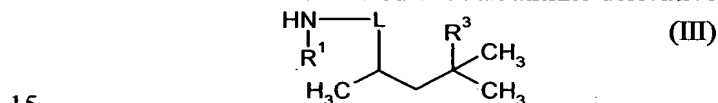


in which

A is as defined in Claim 1 and

X^1 represents halogen or hydroxyl

are reacted with an aniline derivative of the formula (III)

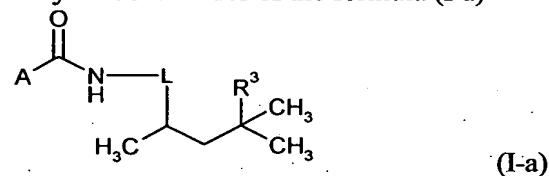


in which L, R^1 and R^3 are as defined in Claim 1,

if appropriate in the presence of a catalyst, if appropriate in the presence of a condensing agent, if appropriate in the presence of an acid binder and if appropriate in the presence of a diluent,

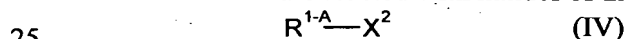
20 or

b) hexylcarboxanilides of the formula (I-a)



in which L, A and R^3 are as defined in Claim 1

are reacted with halides of the formula (IV)



in which

X^2 represents chlorine, bromine or iodine,

30 $R^{1-\text{A}}$ represents C_1 - C_8 -alkyl, C_1 - C_6 -alkylsulphinyl, C_1 - C_6 -alkylsulphonyl, C_1 - C_4 -alkoxy- C_1 - C_4 -alkyl, C_3 - C_8 -cycloalkyl; C_1 - C_6 -haloalkyl, C_1 - C_4 -haloalkylthio, C_1 - C_4 -haloalkylsulphinyl, C_1 - C_4 -haloalkylsulphonyl, halo- C_1 - C_4 -alkoxy- C_1 - C_4 -alkyl, C_3 - C_8 -halocycloalkyl having in each case 1 to 9 fluorine, chlorine and/or bromine atoms; formyl, formyl- C_1 - C_3 -alkyl, (C_1 - C_3 -alkyl)carbonyl- C_1 - C_3 -alkyl, (C_1 - C_3 -alkoxy)carbonyl- C_1 - C_3 -alkyl; halo-(C_1 - C_3 -alkyl)carbonyl-

C₁-C₃-alkyl, halo-(C₁-C₃-alkoxy)carbonyl-C₁-C₃-alkyl having in each case 1 to 13 fluorine, chlorine and/or bromine atoms;

(C₁-C₈-alkyl)carbonyl, (C₁-C₈-alkoxy)carbonyl, (C₁-C₄-alkoxy-C₁-C₄-alkyl)carbonyl, (C₃-C₈-cycloalkyl)carbonyl; (C₁-C₆-haloalkyl)carbonyl, (C₁-C₆-haloalkoxy)carbonyl, (halo-C₁-C₄-alkoxy-C₁-C₄-alkyl)carbonyl, (C₃-C₈-halocycloalkyl)carbonyl having in each case 1 to 9 fluorine, chlorine and/or bromine atoms; or -C(=O)C(=O)R⁴, -CONR⁵R⁶ or -CH₂NR⁷R⁸,

where R⁴, R⁵, R⁶, R⁷ and R⁸ are as defined in Claim 1

in the presence of a base and in the presence of a diluent.

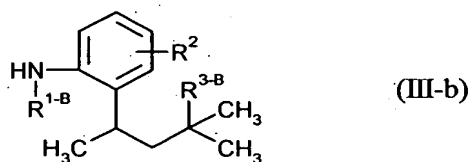
11. Compositions for controlling unwanted microorganisms, characterized in that they comprise at least one hexylcarboxanilide of the formula (I) according to Claim 1, in addition to extenders and/or surfactants.

12. Use of hexylcarboxanilides of the formula (I) according to Claim 1 for controlling unwanted microorganisms.

13. Method for controlling unwanted microorganisms, characterized in that hexylcarboxanilides of the formula (I) according to Claim 1 are applied to the microorganisms and/or their habitats.

14. Process for preparing compositions for controlling unwanted microorganisms, characterized in that hexylcarboxanilides of the formula (I) according to Claim 1 are mixed with extenders and/or surfactants.

15. Aniline derivatives of the formula (III-b)



in which

a) R^{1-B} represents hydrogen and
R^{3-B} represents halogen, C₃-C₈-alkyl, C₁-C₈-haloalkyl,

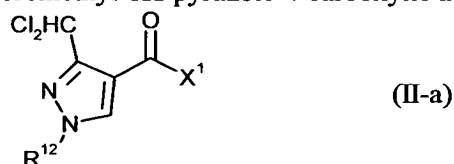
or

b) R^{1-B} represents C₁-C₈-alkyl, C₁-C₆-alkylsulphinyl, C₁-C₆-alkylsulphonyl, C₁-C₄-alkoxy-C₁-C₄-alkyl, C₃-C₈-cycloalkyl; C₁-C₆-haloalkyl, C₁-C₄-haloalkylthio, C₁-C₄-haloalkylsulphinyl, C₁-C₄-haloalkylsulphonyl, halo-C₁-C₄-alkoxy-C₁-C₄-alkyl, C₃-C₈-halocycloalkyl having in each case 1 to 9 fluorine, chlorine and/or bromine atoms; formyl, formyl-C₁-C₃-alkyl, (C₁-

5 C_3 -alkyl)carbonyl- C_1 - C_3 -alkyl, (C_1 - C_3 -alkoxy)carbonyl- C_1 - C_3 -alkyl; halo-
 (C_1 - C_3 -alkyl)carbonyl- C_1 - C_3 -alkyl, halo-(C_1 - C_3 -alkoxy)carbonyl- C_1 - C_3 -
 alkyl having in each case 1 to 13 fluorine, chlorine and/or bromine atoms;
 (C_1 - C_8 -alkyl)carbonyl, (C_1 - C_8 -alkoxy)carbonyl, (C_1 - C_4 -alkoxy- C_1 - C_4 -
 10 alkyl)carbonyl, (C_3 - C_8 -cycloalkyl)carbonyl; (C_1 - C_6 -haloalkyl)carbonyl, (C_1 -
 C_6 -haloalkoxy)carbonyl, (halo- C_1 - C_4 -alkoxy- C_1 - C_4 -alkyl)carbonyl, (C_3 - C_8 -
 halocycloalkyl)carbonyl having in each case 1 to 9 fluorine, chlorine and/or
 bromine atoms; or $-C(=O)C(=O)R^4$, $-CONR^5R^6$ or $-CH_2NR^7R^8$, and
 R^{3B} represents hydrogen, halogen, C_1 - C_8 -alkyl, C_1 - C_8 -haloalkyl,

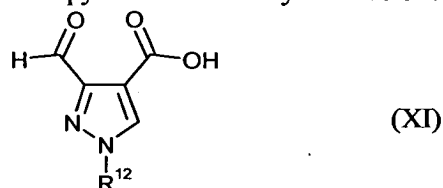
10 and
 R^2 , R^4 , R^5 , R^6 , R^7 and R^8 are each as defined in Claim 1.

16. 3-Dichloromethyl-1H-pyrazole-4-carboxylic acid derivatives of the formula (II-a)



15 in which
 R^{12} is as defined in Claim 1,
 X^1 represents halogen or hydroxyl.

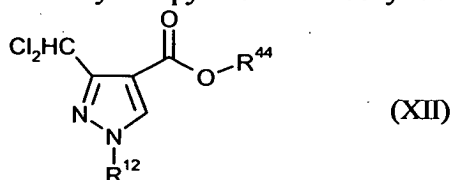
17. Process for preparing 3-dichloromethyl-1H-pyrazole-4-carboxylic acid derivatives of the
 20 formula (II-a) according to Claim 16, characterized in that
 3-formyl-1H-pyrazole-4-carboxylic acids of the formula (XI)



in which R^{12} is as defined in Claim 1
 are reacted with a chlorinating agent in the presence of a diluent.

25

18. 3-Dichloromethyl-1H-pyrazole-4-carboxylic acid esters of the formula (XII)

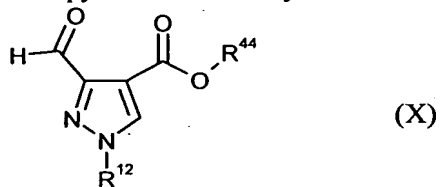


in which
 R^{12} is as defined in Claim 1,

R^{44} represents C_1 - C_4 -alkyl.

19. Process for preparing 3-dichloromethyl-1H-pyrazole-4-carboxylic acid esters of the formula (XII) according to Claim 18, characterized in that

5 3-formyl-1H-pyrazole-4-carboxylic acid esters of the formula (X)



in which

R^{12} is as defined in Claim 1,

R^{44} represents C_1 - C_4 -alkyl

10 are reacted with a chlorinating agent in the presence of a diluent.